



Patent  
Attorney Docket No. 024444-938

**IN THE UNITED STATES PATENT AND TRADEMARK OFFICE**

In re Patent Application of

John COOGAN et al.

Application No. 09/857,688

Filed: October 3, 2001

For: METHOD FOR CORRECTING  
POSITIONING ERRORS IN ROCK  
DRILLING, AND ROCK DRILLING  
EQUIPMENT (As Amended)

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Group Art Unit: 3721

Examiner: Thanh K. Truong

Confirmation No. 6445

*16/29*  
*K. Cobb*  
*1/16/04*

**AMENDMENT**

Commissioner for Patents  
P.O. Box 1450  
Alexandria, VA 22313-1450

Sir:

In response to the Official Action mailed July 15, 2003 and the Advisory Action  
mailed December 2, 2003 please amend the above-identified application as follows.

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**DEC 17 2003**  
TECHNOLOGY CENTER R370